

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
3 February 2005 (03.02.2005)

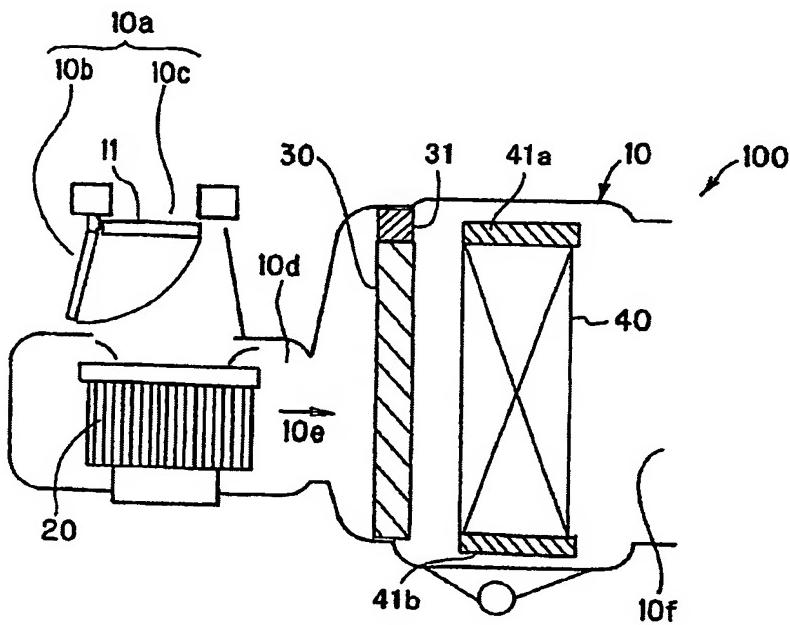
PCT

(10) International Publication Number
WO 2005/009493 A1

- (51) International Patent Classification⁷: A61L 9/12, F24F 3/12
- (21) International Application Number: PCT/IB2004/002655
- (22) International Filing Date: 23 July 2004 (23.07.2004)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
2003-279129 24 July 2003 (24.07.2003) JP
- (71) Applicant (for all designated States except US): VALEO CLIMATISATION [FR/FR]; 8, rue Louis Lormand, F-78321 La Verrière (FR).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): HARA, Shinichi [JP/JP]; c/o Zexel Valeo Climate Control, 39, Aza Higashihara, Oaza Sendai, Konan-machi, Osato-gun, Saitama 360-0193 (JP). TERUYA, Yutaka [JP/JP]; c/o Zexel Valeo Climate Control, 39, Aza Higashihara, Oaza Sendai, Konan-machi, Osato-gun, Saitama 360-0193 (JP); c/o TAKAHASHI, Yuusuke [JP/JP]; c/o Zexel Valeo Climate Control, 39, Aza Higashihara, Oaza Sendai, Konan-machi, Osato-gun, Saitama 360-0193 (JP).
- (74) Agent: VIEILLEVIGNE, Sébastien; Valeo Climatisation, 8, rue Louis Lormand, F-78321 La Verrière (FR).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI)

[Continued on next page]

(54) Title: AIR CONDITIONER AND ANTIBACTERIAL CASE



(57) Abstract: Air conditioner pertaining to the present invention in which a synthetic polymer case, in which an antibacterial agent impregnated in a medium such as a porous body or water-absorbing polymer is sealed, is arranged in the upstream airflow side and/or downstream airflow side of an evaporator, which air conditioner is characterized in that the thickness of the wall of the case is formed to allow gas permeation of the antibacterial agent, and in that the thickness of the wall on the downstream airflow side is less than the thickness of the wall on the upstream airflow side.